Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No: KMTH/Cubes/1495/2021-22	Date	04-10-2021

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Yelahanaka Project Division, Bengaluru
Name of Project & Address	Improvements to Someshwara Hill and surrounding areas at Attur Ward no-03 in Yelahanaka Satallite town Sub Division
Name of Contarctor	Mr.K.Gopireddy, Bengaluru
Name of Consultant	M/s DSR Infratech, #1594, 3rd Main, Judicial Layout, GKVK Post, Bengaluru.
Client's Letter Dated	Letter dated 03.10.2021
Sample Received on	03.10.2021
Source of Sample	Supplied by the client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Footing Concrete	27.09.2021	04.10.2021	7 Days	22500.00	8264	426.8	18.97
2		27.09.2021	04.10.2021		22500.00	8232	398.8	17.72
3		27.09.2021	04.10.2021		22500.00	8216	412.6	18.34

1N/(1sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note: A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by

Approved by
Narayanswamy.B

.....End Of Report.....

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/1496/2021-22	Date	25-10-2021

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Yelahanaka Project Division, Bengaluru
Name of Project & Address	Improvements to Someshwara Hill and surrounding areas at Attur Ward no-03 in Yelahanaka Satallite town Sub Division
Name of Contarctor	Mr.K.Gopireddy, Bengaluru
Name of Consultant	M/s DSR Infratech, #1594, 3rd Main, Judicial Layout, GKVK Post, Bengaluru.
Clients Letter Dated	Letter dated 24.10.2021
Sample Received on	24.10.2021
Source of Sample	Supplied by the client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Footing Concrete	27.09.2021	25.10.2021	28 Days	22500.00	7998	611.2	27.16
2		27.09.2021	25.10.2021		22500.00	8002	608.8	27.06
3		27.09.2021	25.10.2021		22500.00	8012	608.8	27.06

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note: A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

D S R INFRATECH Date..... BENGALURU

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/1497/2021-22	Date	11.11.2021

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Yelahanaka Project Division, Bengaluru
Name of Project & Address	Improvements to Someshwara Hill and surrounding areas at Attur Ward no-03 in Yelahanaka Satallite town Sub Division
Name of Contarctor	Mr.K.Gopireddy, Bengaluru
Name of Consultant	M/s DSR Infratech, #1594, 3rd Main, Judicial Layout, GKVK Post, Bengaluru.
Clients Letter Dated	Letter dated 09.11.2021
Sample Received on	08.11.2021
Source of Sample	Supplied by the client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Plinth Beam Concrete	02.11.2021	09.11.2021	7 Days	22500.00	8108	410.2	18.23
2		02.11.2021	09.11.2021		22500.00	8056	409.8	18.21
3		02.11.2021	09.11.2021		22500.00	8126	402.6	17.89

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note: A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

.....End of Report.....

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/1498/2021-22	Date	30.11.2021

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Yelahanaka Project Division, Bengaluru
Name of Project & Address	Improvements to Someshwara Hill and surrounding areas at Attur Ward no-03 in Yelahanaka Satallite town Sub Division
Name of Contarctor	Mr.K.Gopireddy, Bengaluru
Name of Consultant	M/s DSR Infratech, #1594, 3rd Main, Judicial Layout, GKVK Post, Bengaluru.
Clients Letter Dated	Letter dated 29.11.2021
Sample Received on	29.11.2021
Source of Sample	Supplied by the client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Plinth Beam Concrete	02.11.2021	29.11.2021	28 Days	22500.00	8124	610.2	27.12
2		02.11.2021	29.11.2021		22500.00	8026	598.8	26.61
3		02.11.2021	29.11.2021		22500.00	8062	612.8	27.24

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note: A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

.....End of Report.....

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-AGG/1491/2021-22	Date	26.08.2021

TEST REPORT ON COARSE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Yelahanaka Project Division, Bengaluru
Name of Project & Address	Improvements to Someshwara Hill and surrounding areas at Attur Ward no-03 in Yelahanaka Satallite town Sub Division
Name of Contractor	Mr.K.Gopireddy, Bengaluru
Name of Consultant	M/s DSR Infratech, #1594, 3rd Main, Judicial Layout, GKVK Post, Bengaluru.
Client's Letter Dated	Letter dated 24.08.2021
Sample Received on	24.08.2021
Source of Sample	Supplied by the client
Nature of Sample	*COARSE AGGREGATE -20mm*
Technical Reference	IS: 2386 (Part I)– 1963 IS: 383 – 2016
Date of Testing	25.08.2021

GRADATION OF COARSE AGGREGATES

Sieve	Weight of Sample	5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Soil	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Graded size Aggregate of size 20mm.
20	417.0	8.34	8.34	91.66	85-100	90 to 100	
10	3226.0	64.52	72.87	27.13	0 to 20	25 to 55	
4.75	1086.0	21.72	94.59	7.00	0 to 5	0 to 10	
Pan	271.0	5.41	100.00				

Sl No	Test Conducted	Identification	Results	IS : 383 – 2016 Stipulations, IS-2383 Part-3-1963
1	Water Absorption	20	0.89	Shall not be more than 2.0%
2	Aggregate Crushing Value	20	18.28	Shall not be more than 45%
3	Abrasion Test	20	18.50%	Shall not be more than 50%
4	Flakiness index	20	20.23	Shall not be more than 40%
	Elongation index		10.19	

**All Submitted by the client*

Note : *The above tested sample satisfies the requirement of IS:383-2016*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K.S

Approved by
Narayanswamy.B

End of Report

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92.

DSR INFRATECH Date BENGALURU

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-AGG/1490/2021-22	Date	26.08.2021

TEST REPORT ON FINE AGGRERGATE(M-SAND)

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Yelahanaka Project Division, Bengaluru
Name of Project & Address	Improvements to Someshwara Hill and surrounding areas at Attur Ward no-03 in Yelahanaka Satallite town Sub Division
Name of Contarctor	Mr.K.Gopireddy, Bengaluru
Name of Consultant	M/s DSR Infratech, #1594, 3rd Main, Judicial Layout, GKVK Post, Bengaluru.
Clients Letter Dated	Letter dated 24.08.2021
Sample Received on	24.08.2021
Source of Sample	Supplied by the client
Nature of Sample	*FINE AGGREGATE (M-SAND)*
Date of Testing	25.08.2021
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016

GRADATION OF FINE AGGEGATES(R-SAND)

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-III	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	36.4	3.64	3.64	96.36	90 – 100	*90 – 100*	90 – 100	90-100
2.36	96.4	9.64	13.28	86.72	60 – 95	*75 – 100*	85 – 100	95-100
1.18	236.8	23.68	36.96	63.04	30 – 70	*55 – 90*	75 – 100	90-100
0.6	246.8	24.68	61.64	38.36	15 – 34	*35 – 59*	60 – 79	80-100
0.3	212.2	21.22	82.86	17.14	5 – 20	*8 – 30*	12 – 40	15-50
0.15	121.2	12.12	94.98	5.02	0 – 10	*0 – 10*	0 – 10	0-15
MATERIAL FINER THAN 75 µ								
SAMPLE ID			*4735*					

Sl No	Description	Results
1	Original Oven Dry Mass of Sample in g (W1)	1000.0
2	Final Dry Mass of Sample after Oven Dry in g (W2) (After Washing)	982.6
3	Material finer than 75 µ in %	1.77

** As furnished by the client*

Note : The above tested sample falls in ***ZONE-II and*** *satisfies the requirement of IS:383-2016*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

.....End of Report.....

Asst. Executive Engineer
Yelahanka Zone
BBMP, Bangalore - 03

Date.....

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-AGG/1491/2021-22	Date	26.08.2021

TEST REPORT ON COARSE AGGRERGATE

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Yelahanaka Project Division, Bengaluru
Name of Project & Address	Improvements to Someshwara Hill and surrounding areas at Attur Ward no-03 in Yelahanaka Satallite town Sub Division
Name of Contarctor	Mr.K.Gopireddy, Bengaluru
Name of Consultant	M/s DSR Infratech, #1594, 3rd Main, Judicial Layout, GKVK Post, Bengaluru.
Clients Letter Dated	Letter dated 24.08.2021
Sample Received on	24.08.2021
Source of Sample	Supplied by the client
Nature of Sample	*COARSE AGGREGATE -20mm*
Technical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016
Date of Testing	25.08.2021

GRADATION OF COARSE AGGEGATES

20mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of soil	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Graded size Aggregate of size 20mm.
20	416.8	8.34	8.34	91.66	85-100	90 to 100	
10	3226.8	64.54	72.87	27.13	0 to 20	25 to 55	
4.75	1006.2	20.12	93.00	7.00	0 to 5	0 to 10	

Sl No	Test Conducted	Identification	Results	IS : 383 – 2016 Stipulations, IS-2383 Part-3-1963
1	Water Absorption	20	0.89	Shall not be more than 2.0%
2	Aggregate Crushing Value	20	18.28	Shall not be more than 45%
3	Abrasion Test	20	13.50%	
4	Flakiness index	20	20.23	Shall not be more than 40%
	Elongation index		10.19	

" *As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

.....End of Report.....

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Steel/1489-09/2021-22	Date	22.09.2021

PHYSICAL TEST REPORT ON REINFORCEMENT STEEL

Name of Client & Address	Bruhat Bengaluru Mahanagara Palike Yelahanaka Project Division, Bengaluru
Name of Project & Address	Improvements to Someshwara Hill and surrounding areas at Attur Ward no-03 in Yelahanaka Satallite town Sub Division
Name of Contarctor	Mr.K.Gopireddy, Bengaluru
Name of Consultant	M/s DSR Infratech, #1594, 3rd Main, Judicial Layout, GKVK Post, Bengaluru.
Clients Letter Dated	Letter dated 17.09.2021
Sample Received on	17.09.2021
Source of Sample	Supplied by the client
Nature of Sample	Reinforcement Steel (8mm, 12mm)Fe-500 Grade *(Footing, Columns, Beams, Plinth)*
Date of Testing	18.09.2021 to 21.09.2021
Technical Referance	IS: 1786 – 2008 & IS: 1608–2005

Tensile Test

Sl No.	Grade of Steel	Dia in mm	Weight / unit length (kg/m)	0.2% proof Stress (N/mm2)	Tensile Strength (N/mm2)	Percentage Elongation (on 5.65 ÖAG.L)	Remarks
1	Fe-500 Grade	8	0.408	563.155	623.767	20.45	Passes
2		12	0.8720	572.640	623.442	21.42	Passes

Bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Angle of bend	Observations
1	8	4 dia	180°	No cracks observed. Passes the test.
2	12	4 dia	180°	No cracks observed. Passes the test.

Re bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Observations
1	8	7 dia	No cracks observed. Passes the test.
2	12	7 dia	No cracks observed. Passes the test.

** As furnished by the client*

Remarks Tested Sample conforms to Fe-500 grade of IS-1786-2008.

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

.....End of Report.....

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Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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